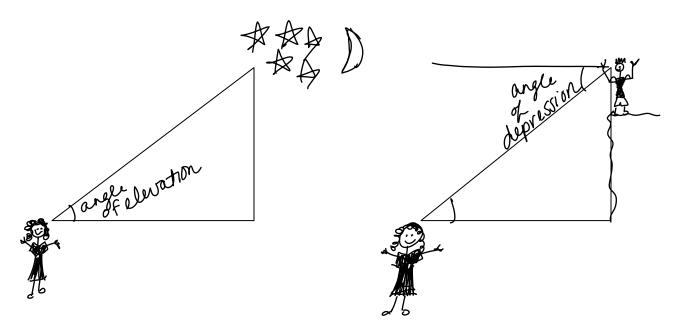
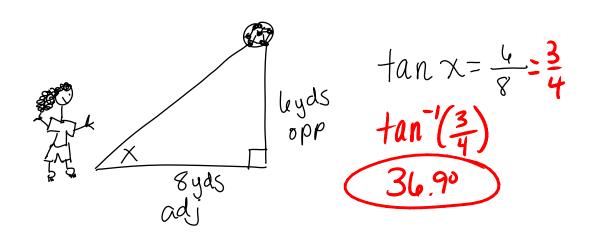
## 8.5 Angles of Elevation and Depression



Ex. 1 Mrs. McMahan kicks a soccer ball. When the ball is 8 yards away from her, the ball is 6 yards high. What is the angle of elevation?



Ex. 2 Hannah is in a lighthouse that is 195ft tall. She observes two sailboats due east of the lighthouse. The angles of depression to the two boats are 33° and 57°. What is the distance between the sailboats?

